

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014510.D
 Acq On : 09 Jan 2020 20:29
 Operator : JC/SP
 Sample : L1060-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: Jan 10 06:51:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	510097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	788660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	725037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	333811	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	280249	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	5.49	113	235231	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	945256	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.13	95	329466	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

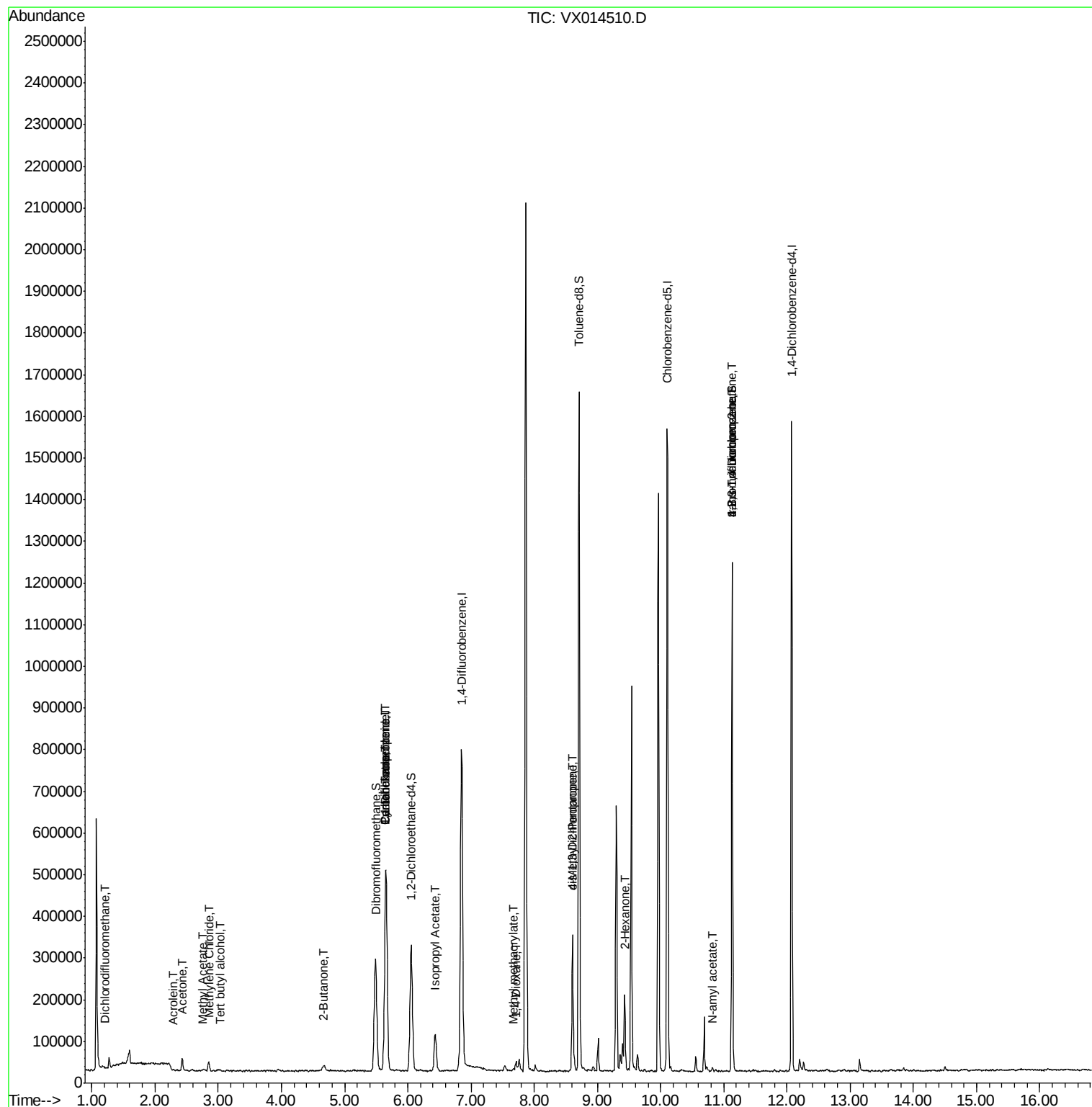
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.22	85	122	0.272	ug/l #	1
6) Chloroethane	1.71	64	442	Below Cal		91
11) Tert butyl alcohol	3.02	59	4420	3.717	ug/l #	88
13) Acrolein	2.28	56	344	0.361	ug/l #	1
16) Acetone	2.43	43	30891	6.753	ug/l	98
18) Methyl Acetate	2.76	43	6046	0.739	ug/l #	87
20) Methylene Chloride	2.84	84	11100	1.938	ug/l	93
25) 2-Butanone	4.67	43	10819	2.543	ug/l #	85
31) Cyclohexane	5.65	56	11467	1.317	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	33685	4.542	ug/l #	49
38) Carbon Tetrachloride	5.65	117	42528	6.231	ug/l #	18
43) Isopropyl Acetate	6.44	43	123415	9.483	ug/l	99
48) Methyl methacrylate	7.68	41	7004	1.124	ug/l #	17
49) 1,4-Dioxane	7.73	88	224	1.696	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	118026	14.883	ug/l #	45
54) cis-1,3-Dichloropropene	8.61	75	54503	6.080	ug/l #	58
59) 2-Hexanone	9.43	43	140551	22.399	ug/l #	23
74) N-amyl acetate	10.82	43	4358	0.421	ug/l #	60
76) 1,2,3-Trichloropropane	11.13	75	157322	22.778	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	157322	60.222	ug/l #	12
88) 1,4-Dichlorobenzene	12.02	146	328	Below Cal		71
93) 1,2,4-Trichlorobenzene	13.63	180	710	Below Cal		71
96) 1,2,3-Trichlorobenzene	14.01	180	613	Below Cal		74

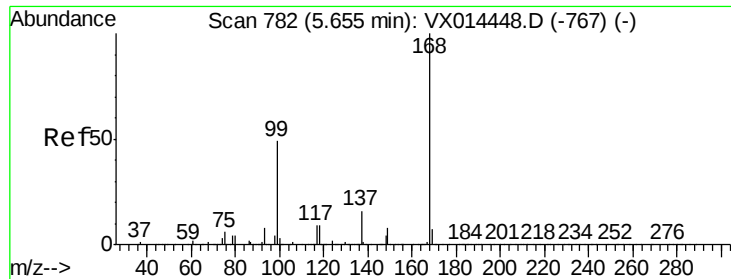
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010920\
Data File : VX014510.D
Acq On : 09 Jan 2020 20:29
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Instrument :
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Quant Time: Jan 10 06:51:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

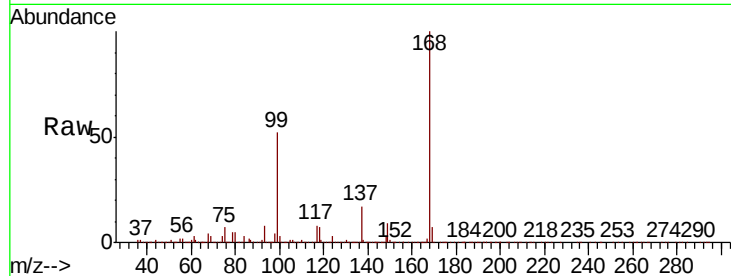
TP-1

Tot Ion:168 Resp: 510097

Ion Ratio Lower Upper

168 100

99 51.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

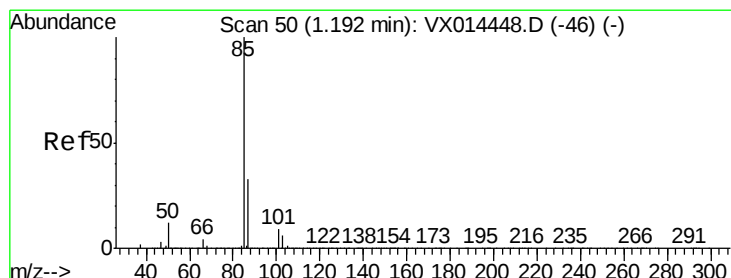
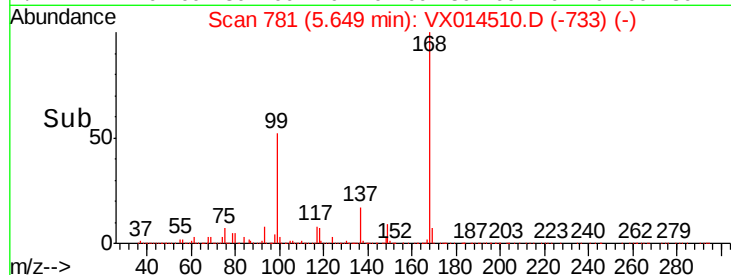
150000

100000

50000

0

Time--> 5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 0.272 ug/l

RT: 1.22 min Scan# 54

Delta R.T. 0.03 min

Lab File: VX014510.D

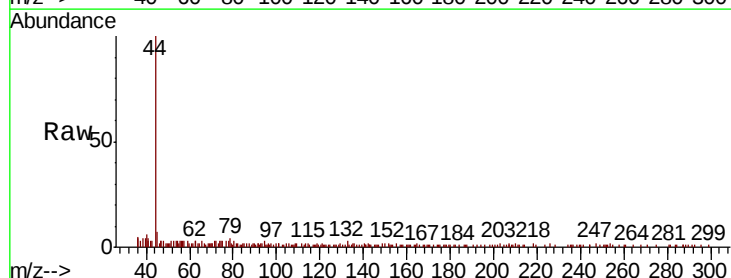
Acq: 09 Jan 2020 20:29

Tgt Ion: 85 Resp: 122

Ion Ratio Lower Upper

85 100

87 91.2 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

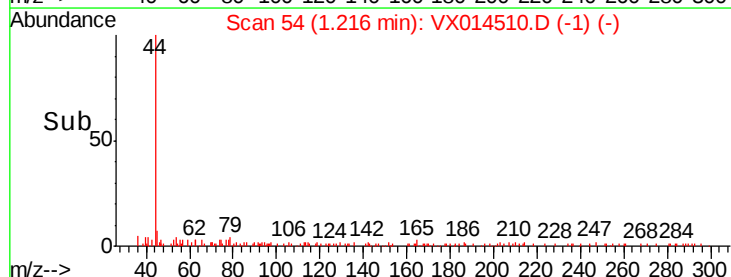
300

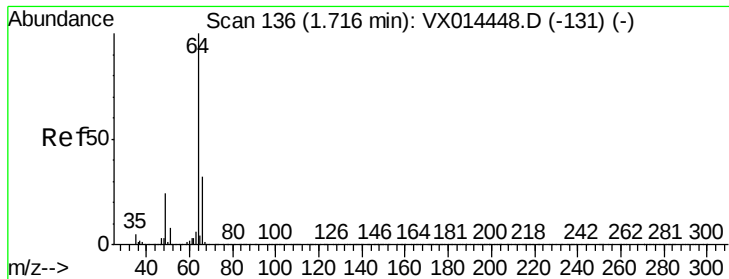
200

100

0

Time--> 1.19 1.20 1.21 1.22 1.23





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

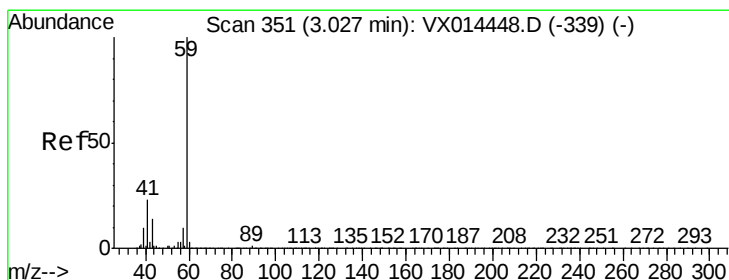
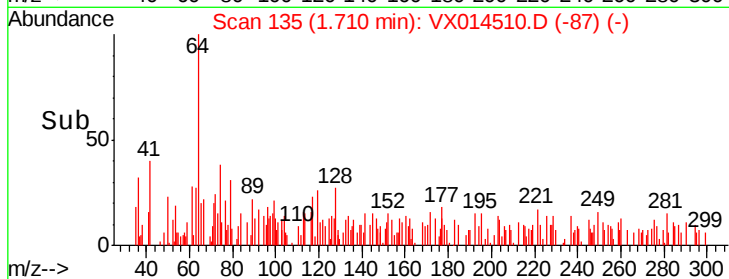
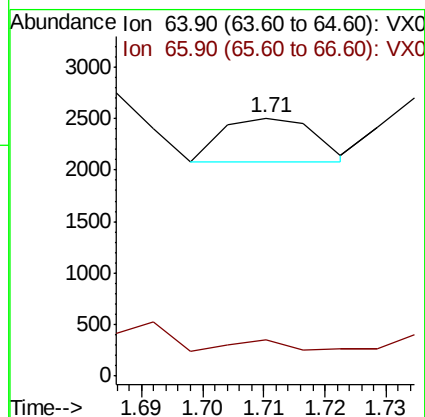
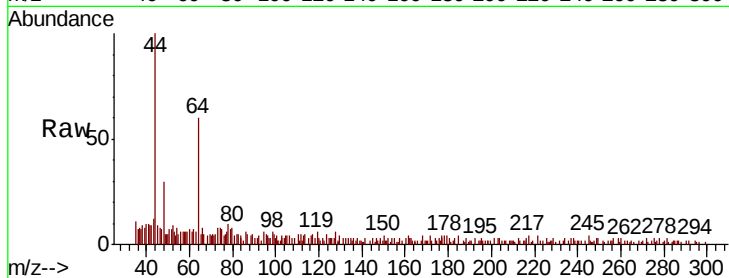
TP-1

Tot Ion: 64 Resp: 442

Ion Ratio Lower Upper

64 100

66 26.8 25.3 37.9



#11

Tert butyl alcohol

Concen: 3.717 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX014510.D

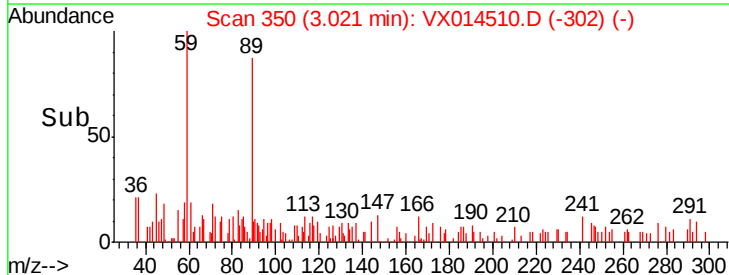
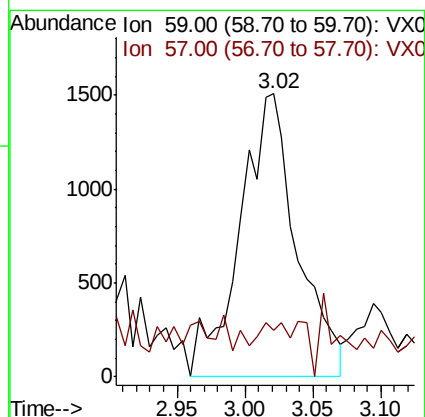
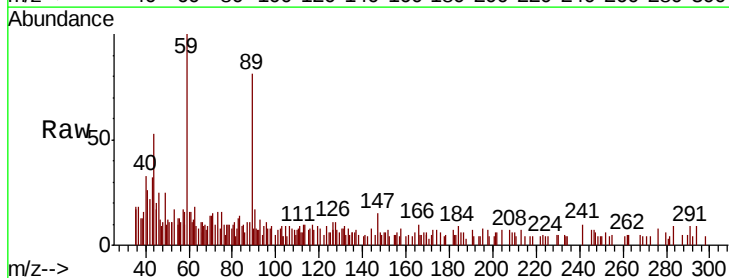
Acq: 09 Jan 2020 20:29

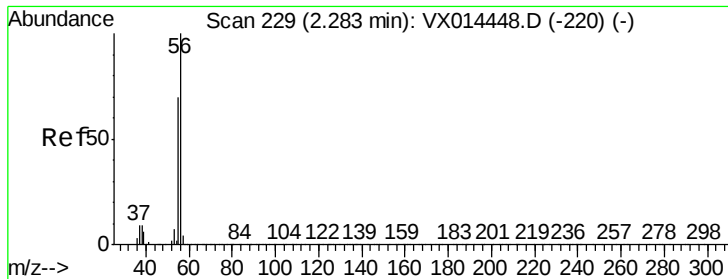
Tgt Ion: 59 Resp: 4420

Ion Ratio Lower Upper

59 100

57 15.2 8.5 12.7#

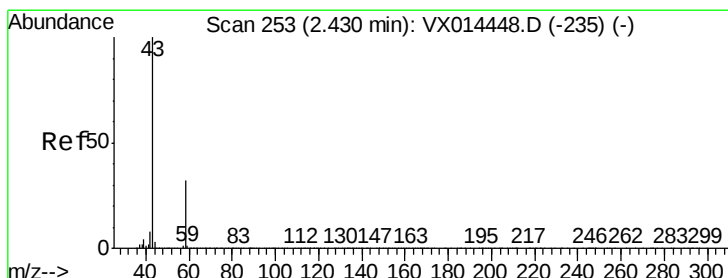
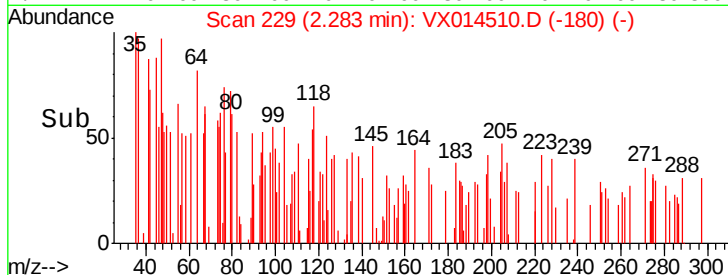
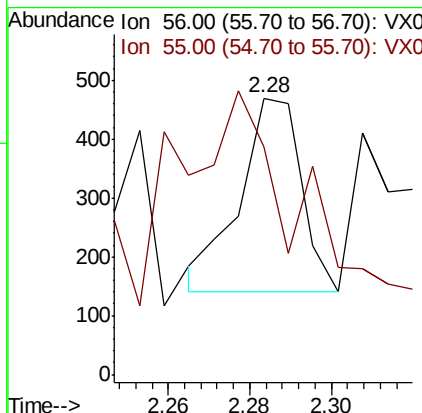
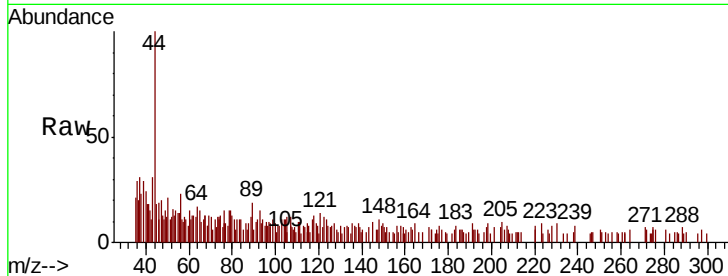




#13
Acrolein
Concen: 0.361 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

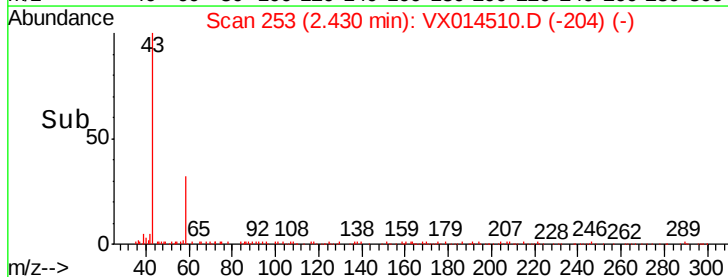
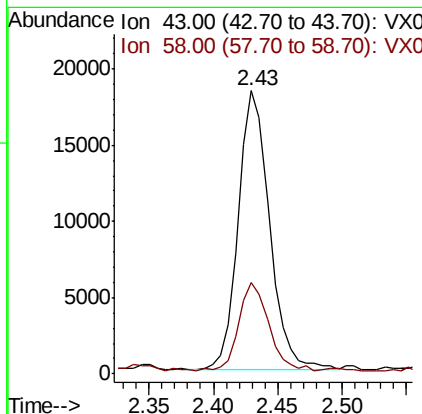
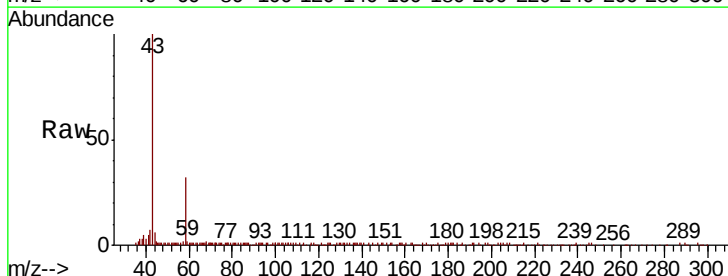
Instrument :
MSVOA_X
ClientSampled :
TP-1

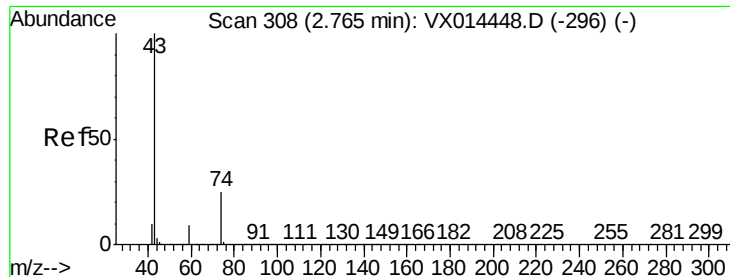
Tot Ion: 56 Resp: 344
Ion Ratio Lower Upper
56 100
55 339.8 55.0 82.6#



#16
Acetone
Concen: 6.753 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

Tgt Ion: 43 Resp: 30891
Ion Ratio Lower Upper
43 100
58 30.7 25.4 38.0

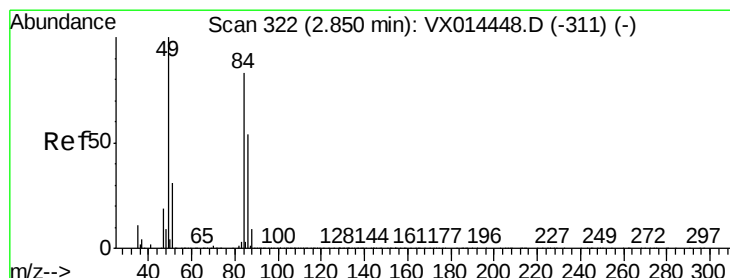
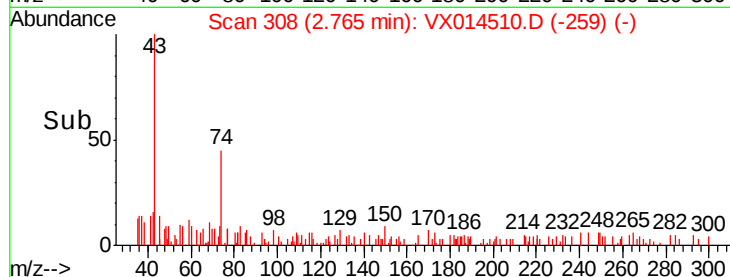
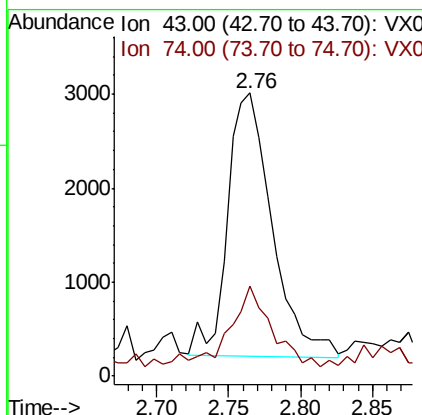
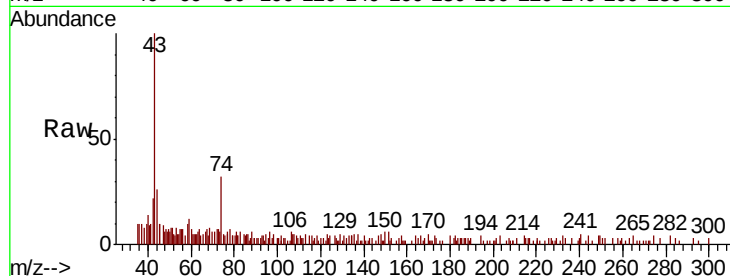




#18
Methvl Acetate
Concen: 0.739 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

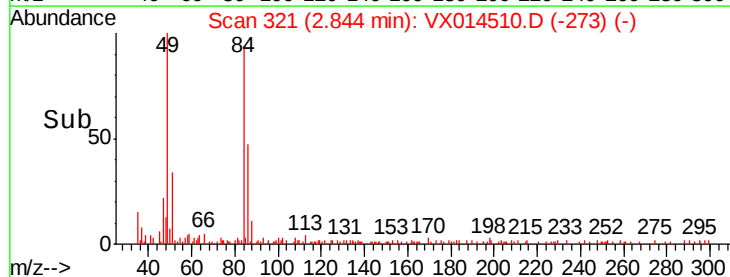
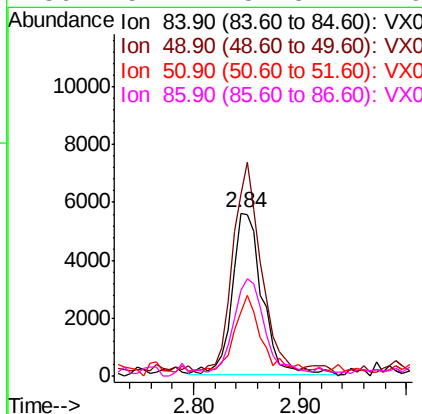
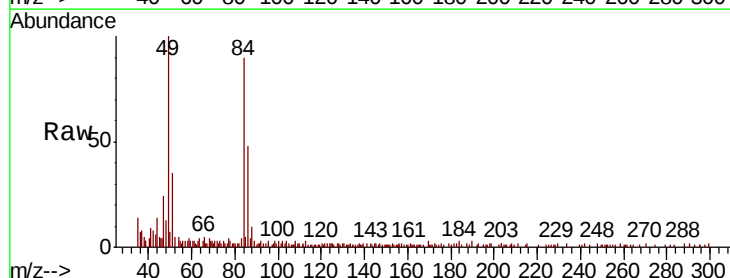
Instrument :
MSVOA_X
ClientSampleId :
TP-1

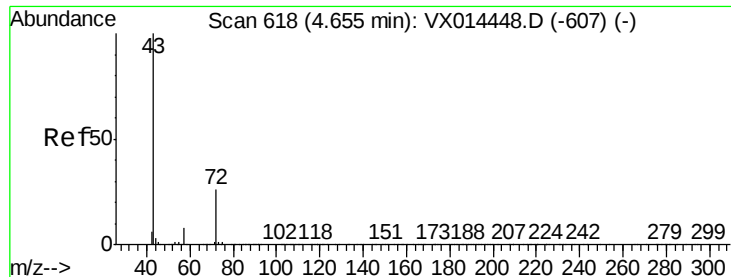
Tot Ion: 43 Resp: 6046
Ion Ratio Lower Upper
43 100
74 30.7 19.4 29.2#



#20
Methylene Chloride
Concen: 1.938 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

Tgt Ion: 84 Resp: 11100
Ion Ratio Lower Upper
84 100
49 115.3 95.8 143.8
51 36.9 30.2 45.4
86 52.4 51.8 77.6

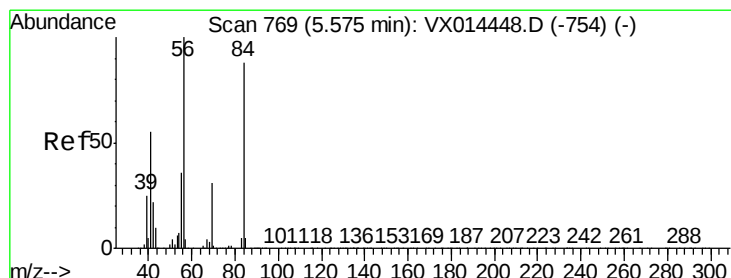
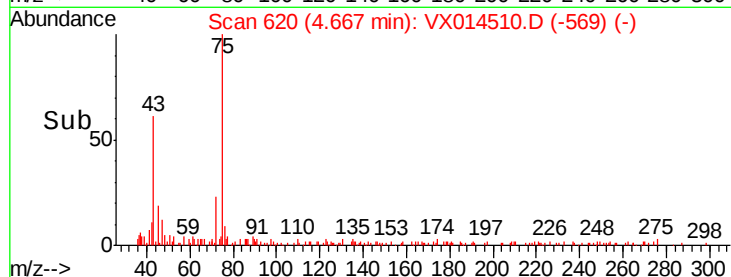
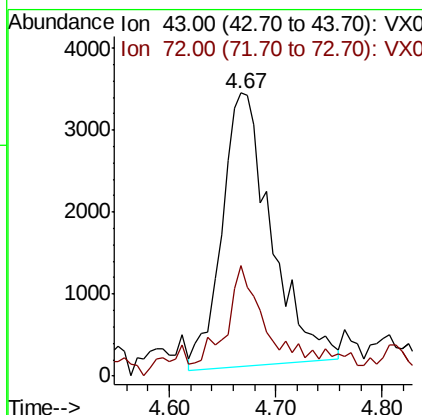
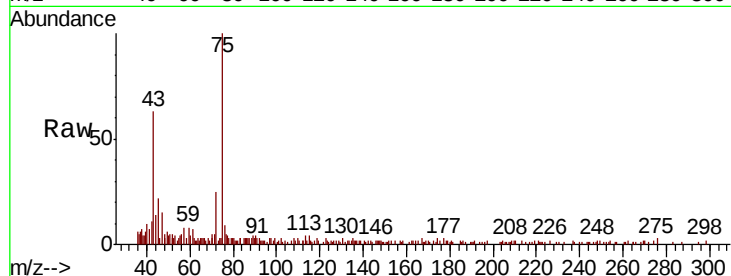




#25
2-Butanone
Concen: 2.543 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

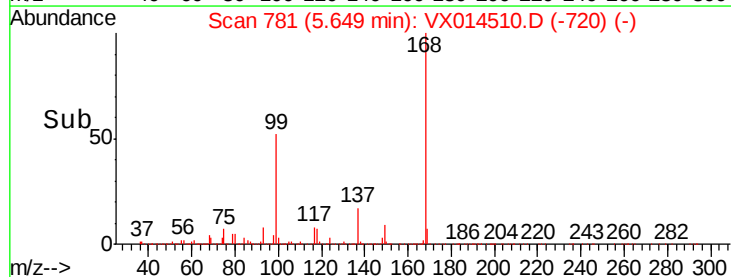
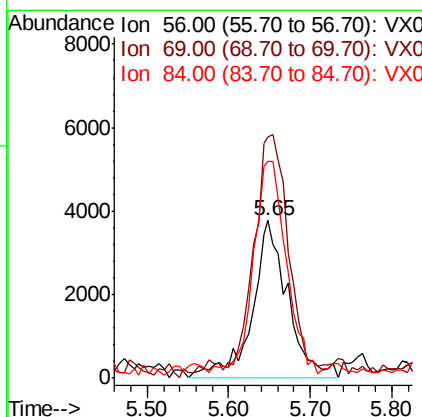
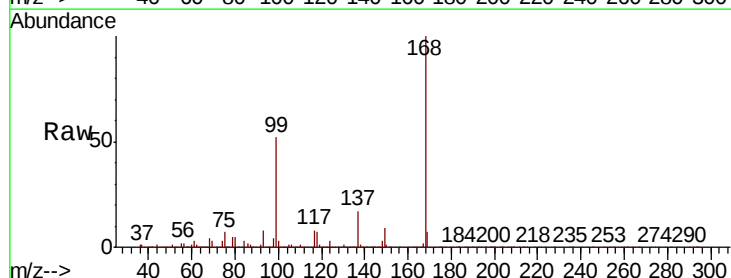
Instrument :
MSVOA_X
ClientSampleId :
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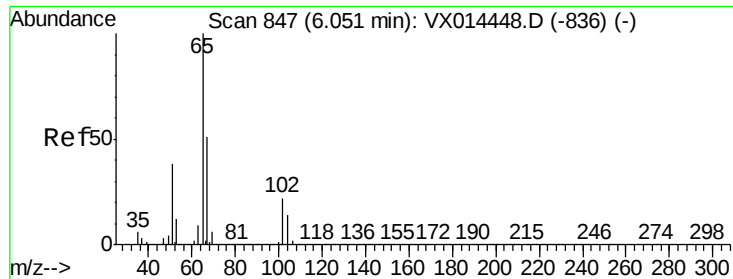
Tot Ion: 43 Resp: 10819
Ion Ratio Lower Upper
43 100
72 33.2 20.6 31.0#



#31
Cyclohexane
Concen: 1.317 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.07 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

Tgt Ion: 56 Resp: 11467
Ion Ratio Lower Upper
56 100
69 149.7 24.4 36.6#
84 130.3 70.6 106.0#

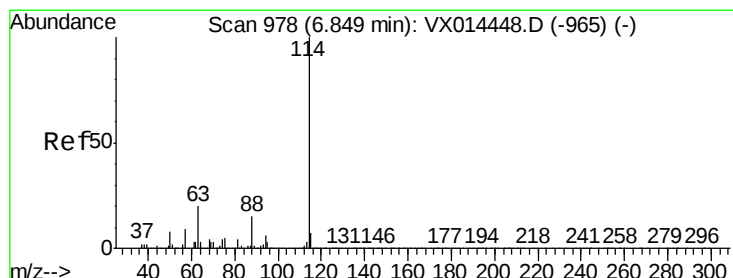
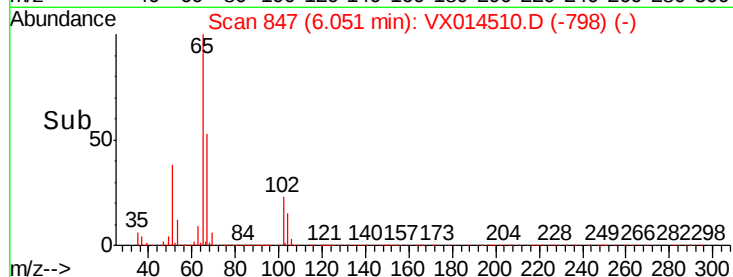
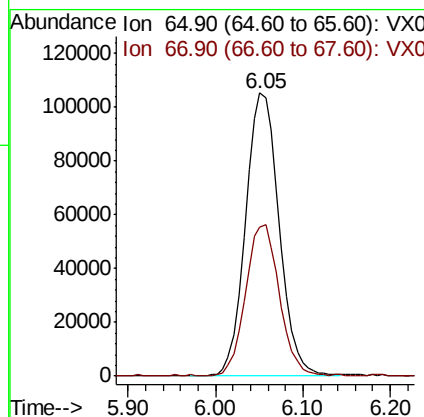
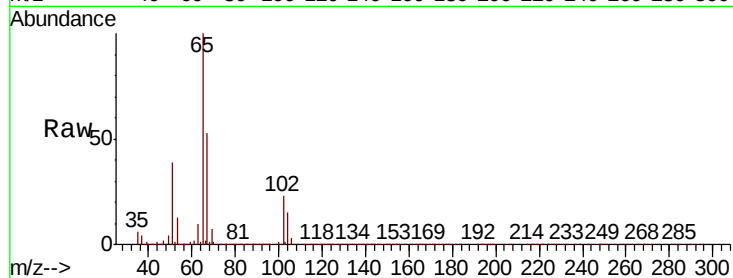




#33
 1,2-Dichloroethane-d4
 Concen: 49.215 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014510.D
 Acq: 09 Jan 2020 20:29

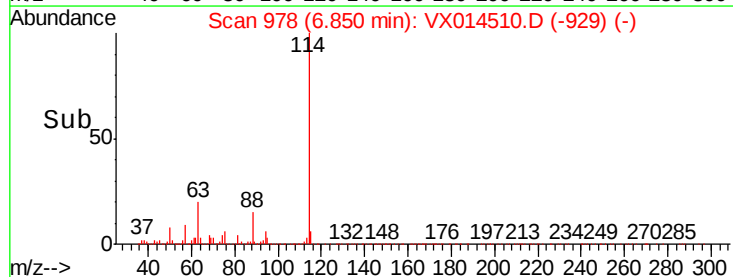
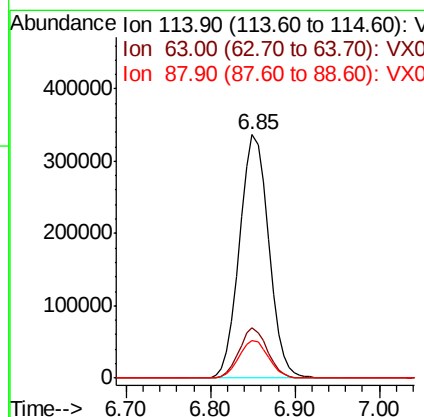
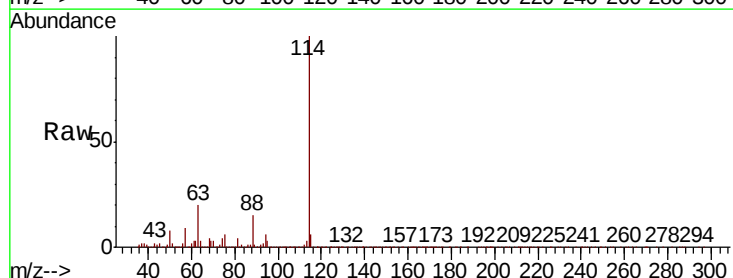
Instrument :
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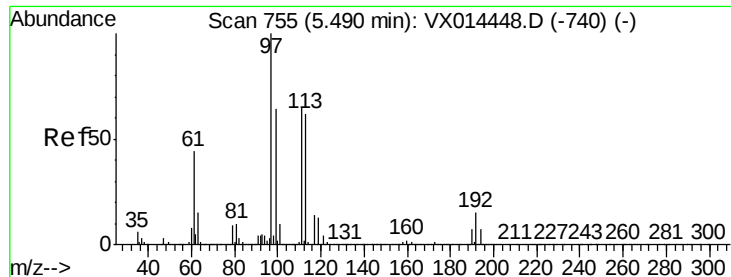
Tot Ion: 65 Resp: 280249
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014510.D
 Acq: 09 Jan 2020 20:29

Tgt Ion: 114 Resp: 788660
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.6
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.272 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

TP-1

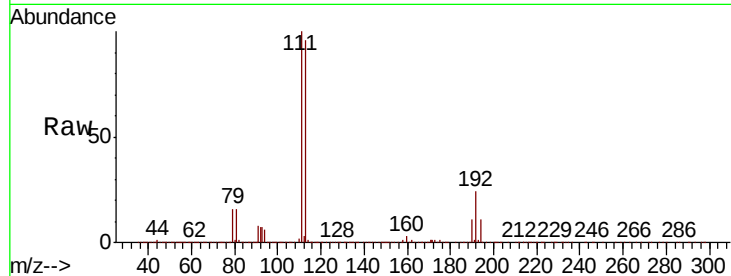
Tot Ion:113 Resp: 235231

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

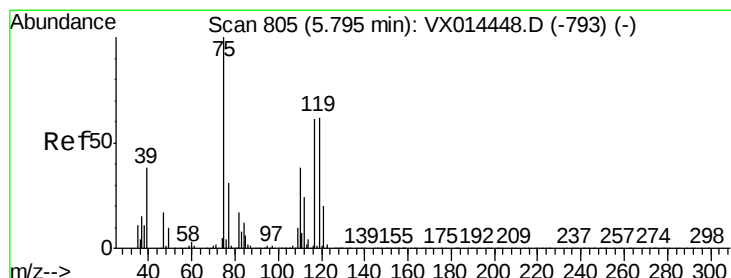
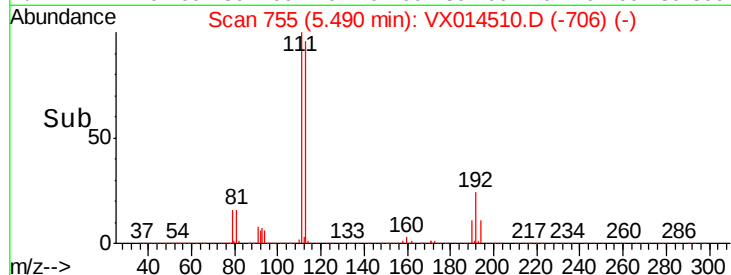
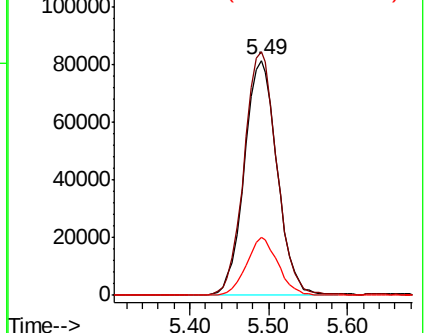
192 23.8 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.542 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

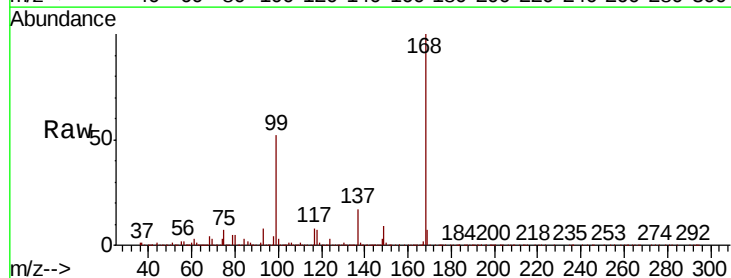
Tgt Ion: 75 Resp: 33685

Ion Ratio Lower Upper

75 100

110 9.2 18.6 55.8#

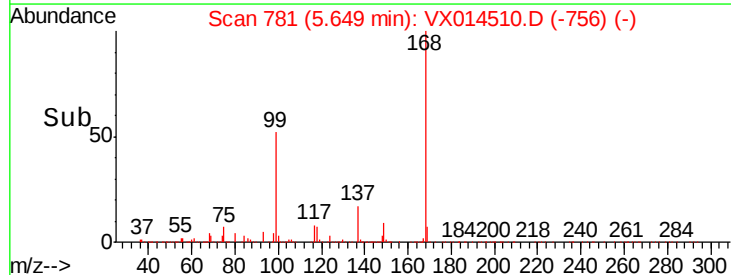
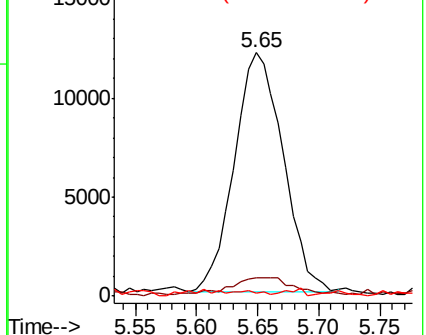
77 0.6 24.5 36.7#

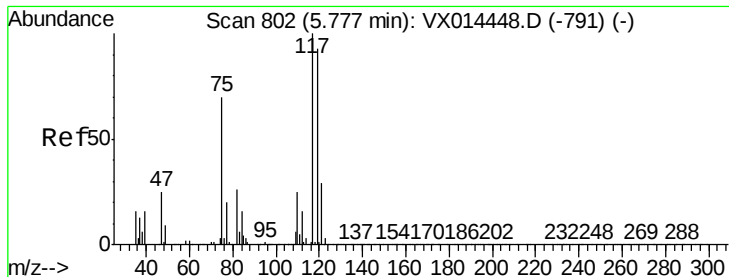


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.231 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

Instrument :

MSVOA_X

ClientSampled :

TP-1

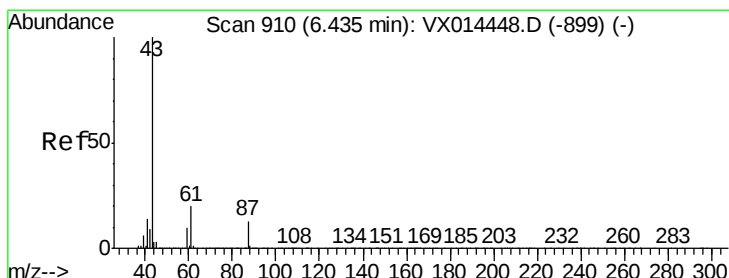
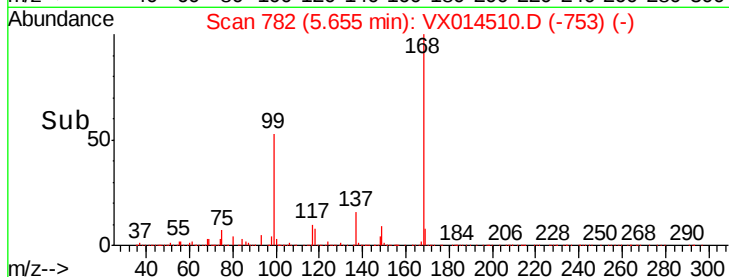
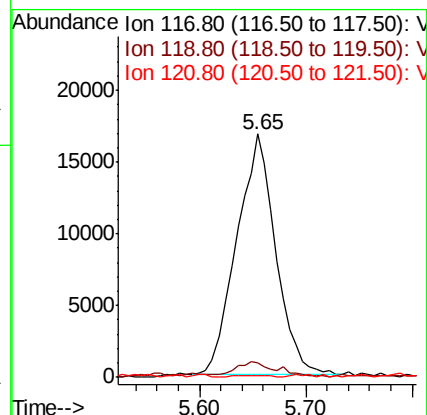
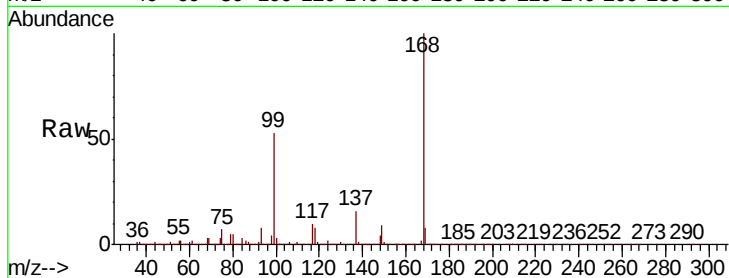
Tot Ion:117 Resp: 42528

Ion Ratio Lower Upper

117 100

119 4.8 73.8 110.8#

121 0.4 23.4 35.0#



#43

Isopropyl Acetate

Concen: 9.483 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

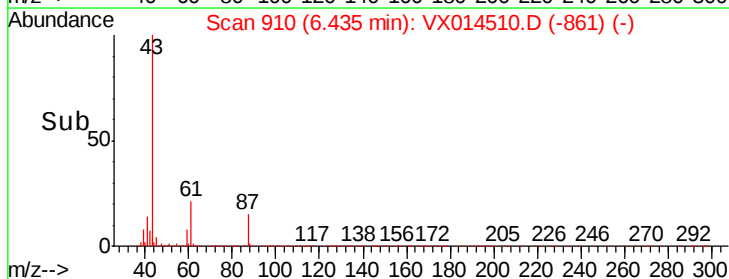
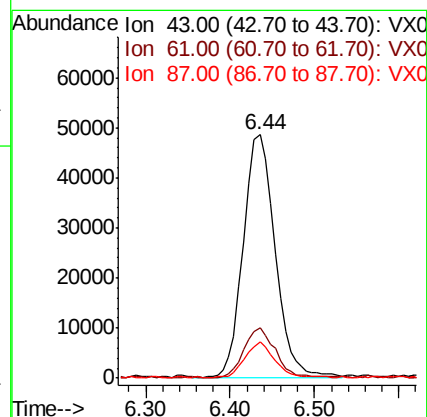
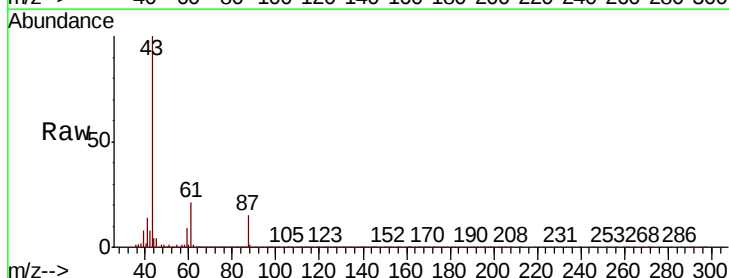
Tgt Ion: 43 Resp: 123415

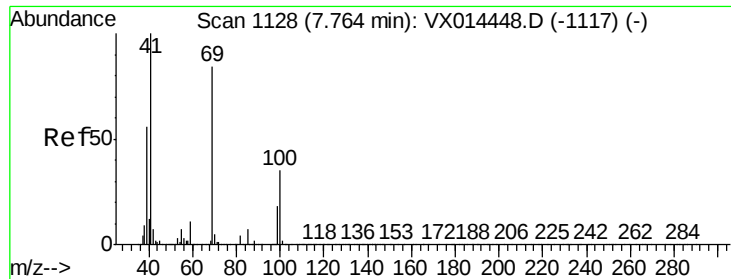
Ion Ratio Lower Upper

43 100

61 20.2 16.6 24.8

87 13.5 10.8 16.2

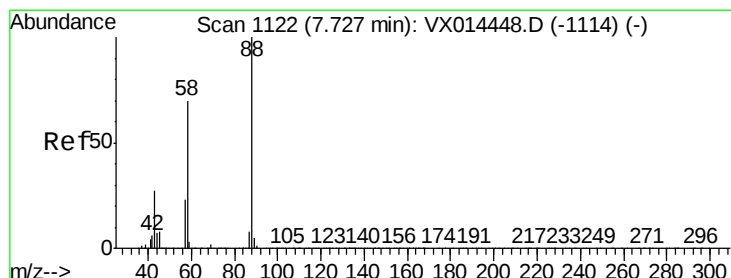
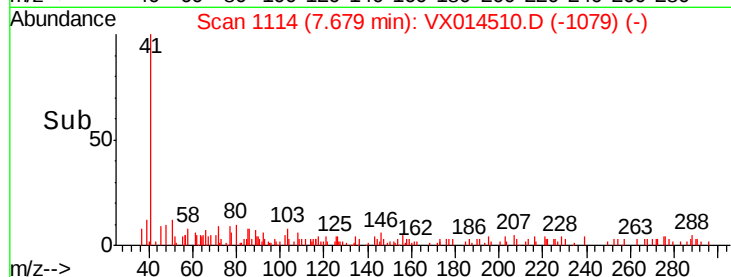
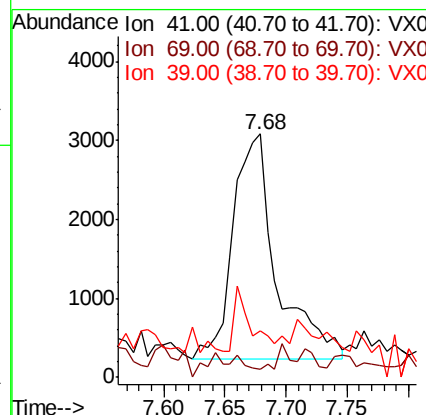
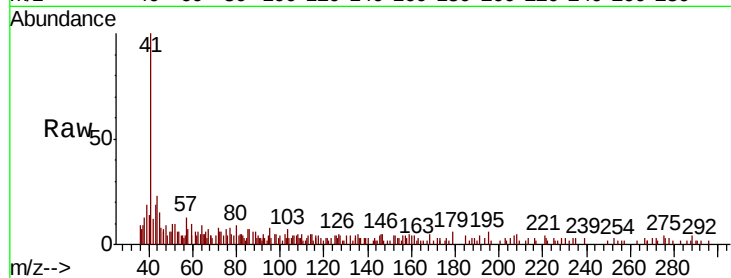




#48
Methvl methacrylate
Concen: 1.124 ug/l
RT: 7.68 min Scan# 1114
Delta R.T. -0.09 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

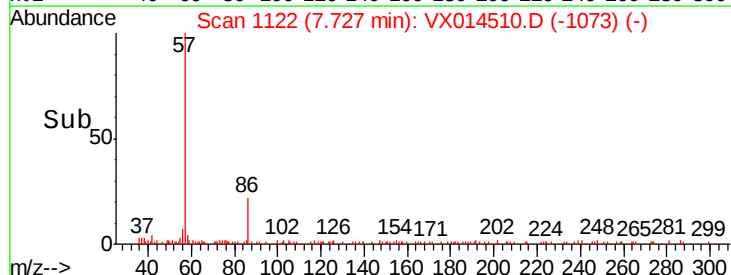
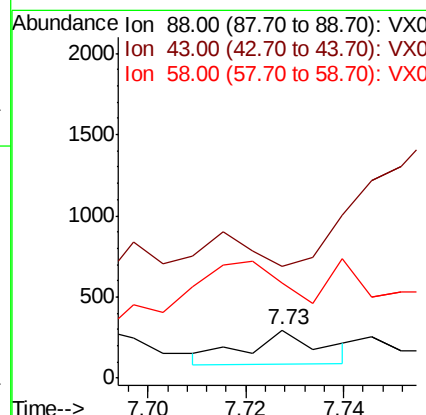
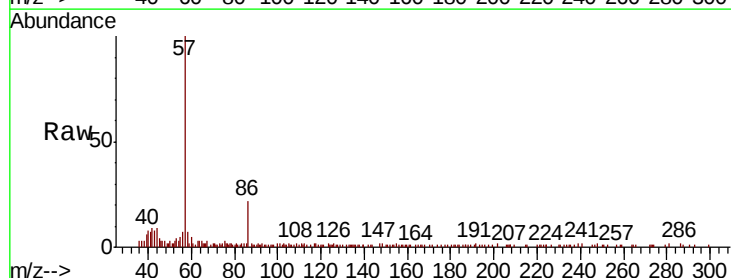
Instrument :
MSVOA_X
ClientSampleId :
TP-1

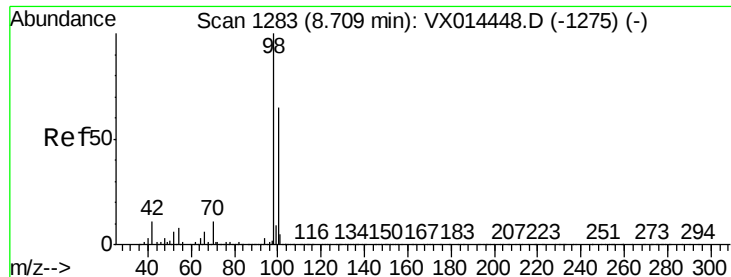
Tot Ion	Ratio	Lower	Upper
41	100		
69	3.3	65.5	98.3#
39	0.0	43.9	65.9#



#49
1,4-Dioxane
Concen: 1.696 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	679.5	57.1	85.7#





#50

Toluene-d8

Concen: 51.021 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

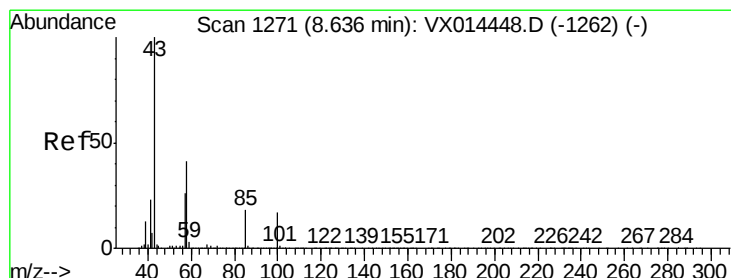
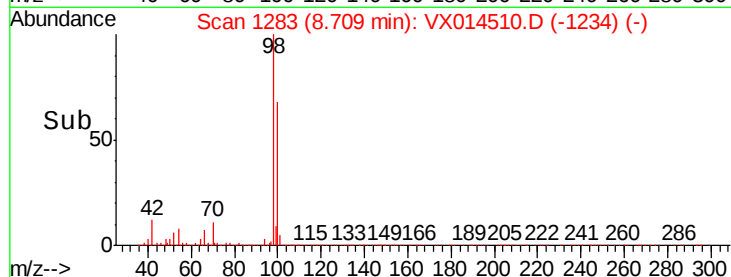
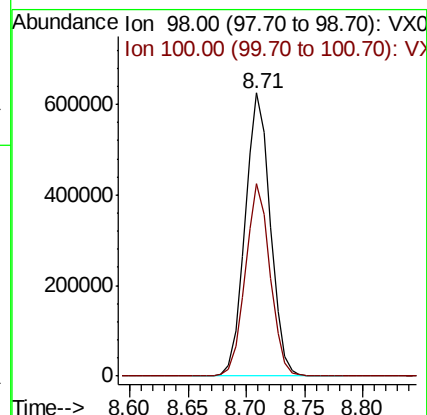
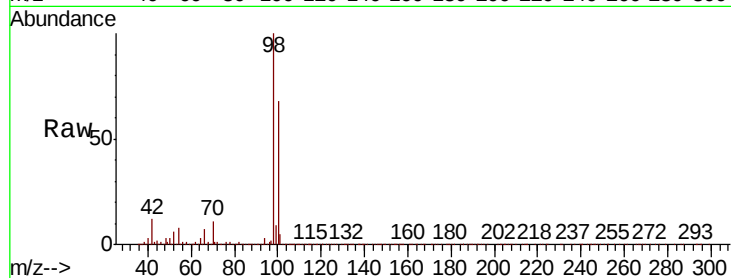
TP-1

Tot Ion: 98 Resp: 945256

Ion Ratio Lower Upper

98 100

100 66.6 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 14.883 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014510.D

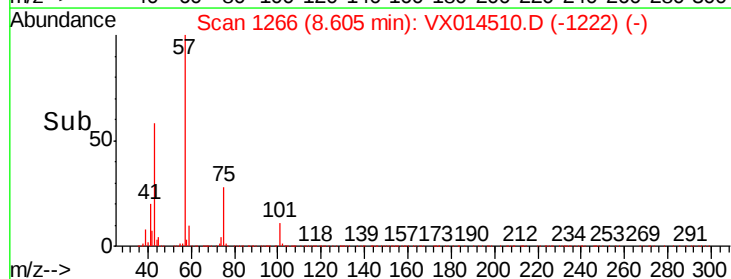
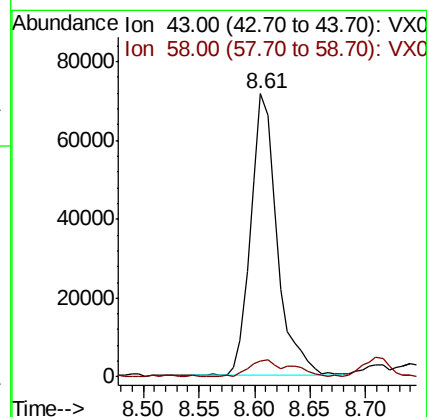
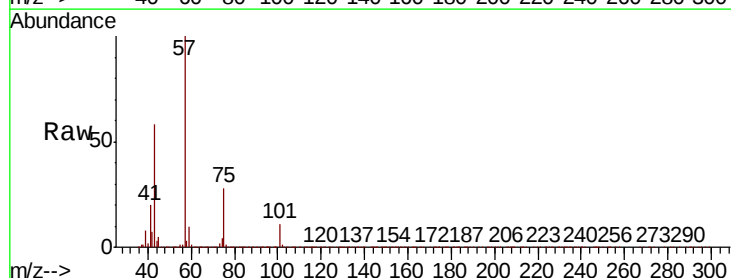
Acq: 09 Jan 2020 20:29

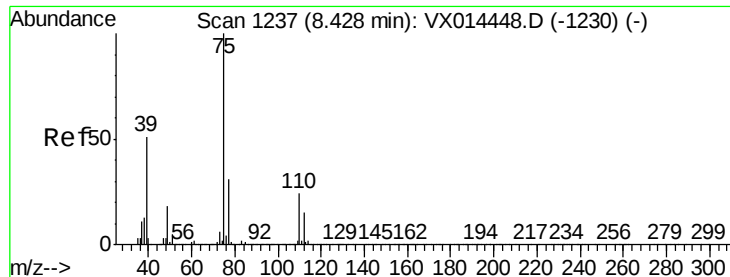
Tgt Ion: 43 Resp: 118026

Ion Ratio Lower Upper

43 100

58 6.1 32.4 48.6#





#54

cis-1,3-Dichloropropene

Concen: 6.080 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

TP-1

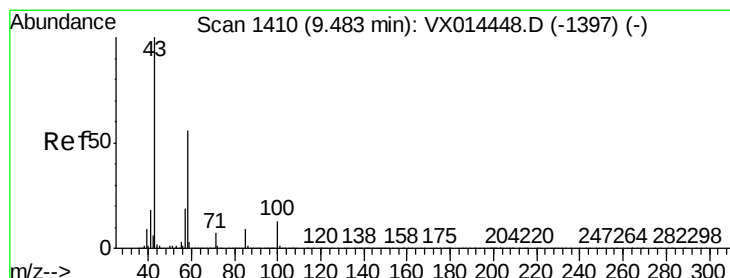
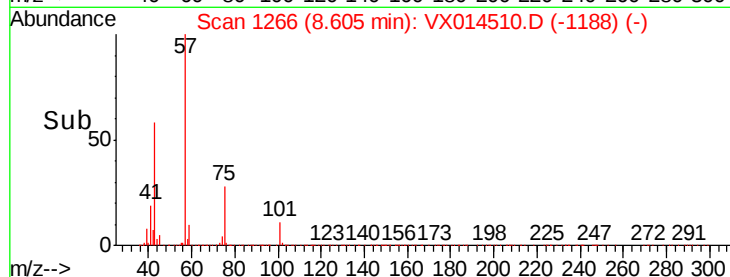
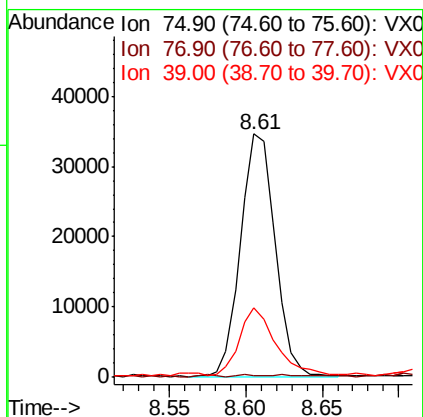
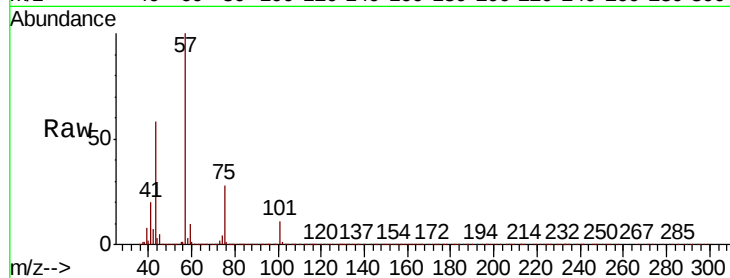
Tot Ion: 75 Resp: 54503

Ion Ratio Lower Upper

75 100

77 0.3 25.0 37.4#

39 27.5 40.7 61.1#



#59

2-Hexanone

Concen: 22.399 ug/l

RT: 9.43 min Scan# 1402

Delta R.T. -0.05 min

Lab File: VX014510.D

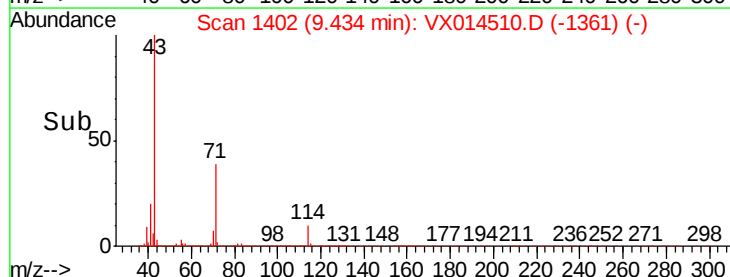
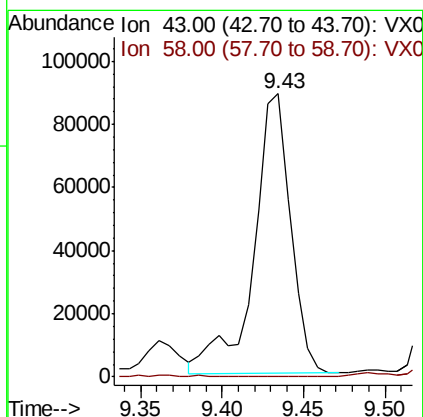
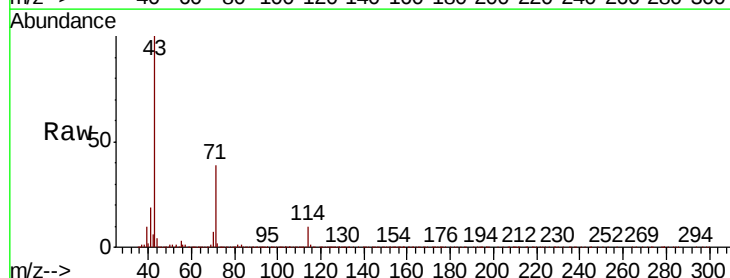
Acq: 09 Jan 2020 20:29

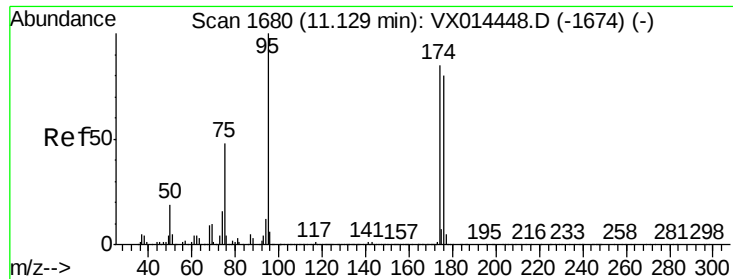
Tgt Ion: 43 Resp: 140551

Ion Ratio Lower Upper

43 100

58 0.0 27.9 83.7#

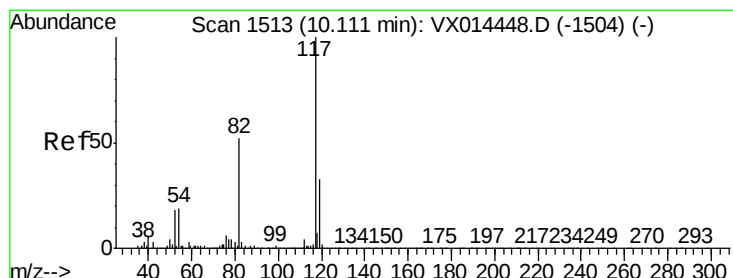
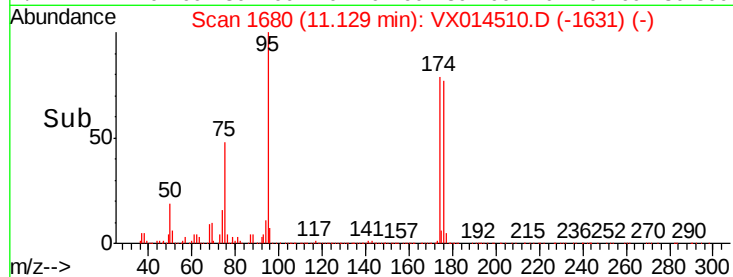
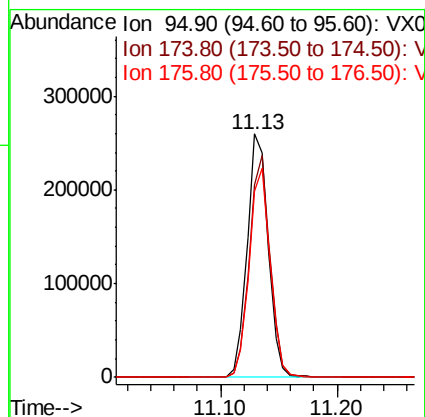
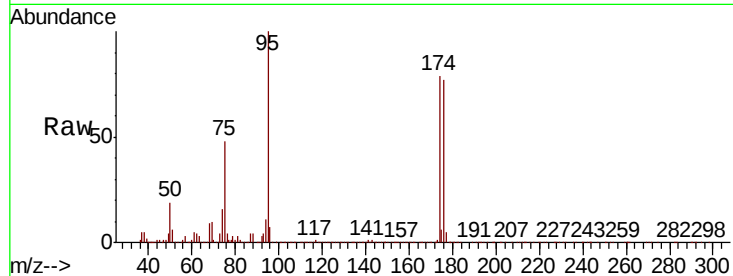




#62
4-Bromofluorobenzene
Concen: 48.441 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

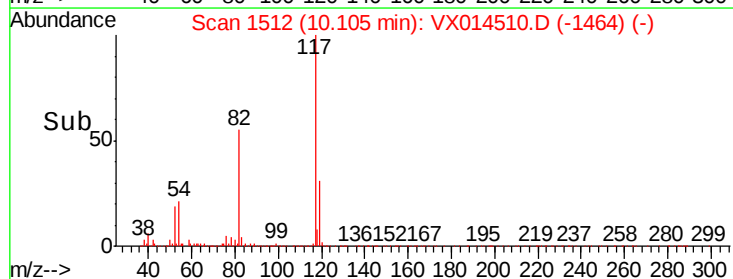
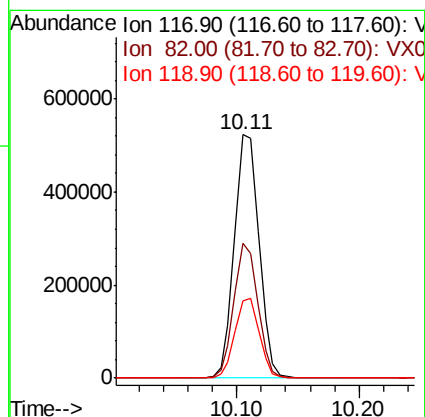
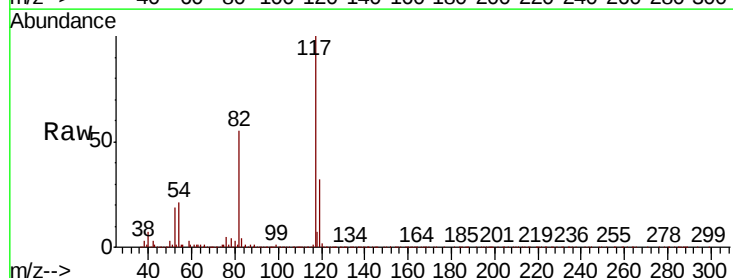
Instrument :
MSVOA_X
ClientSampleId :
TP-1

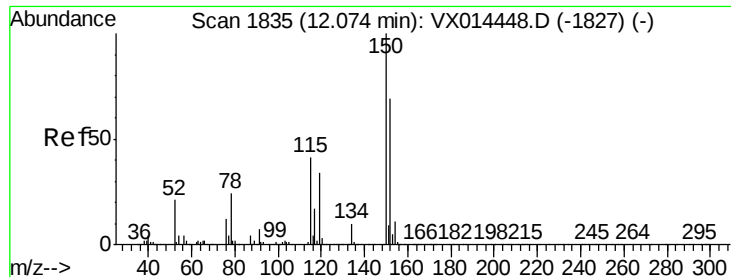
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	180.8
176	86.1	0.0	172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014510.D
Acq: 09 Jan 2020 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	41.8	62.6
119	31.5	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

TP-1

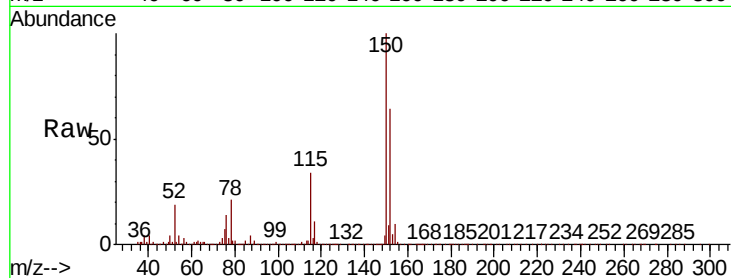
Tot Ion:152 Resp: 333811

Ion Ratio Lower Upper

152 100

115 55.0 39.5 118.3

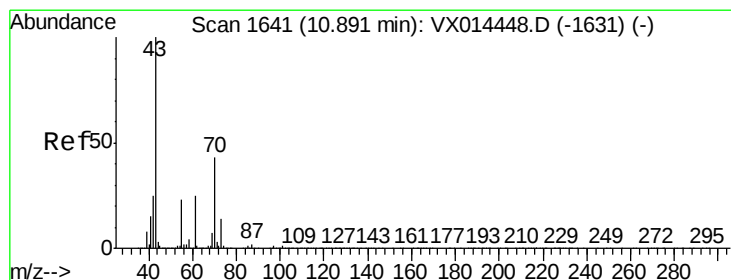
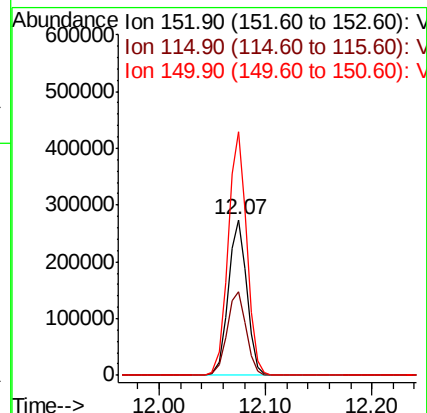
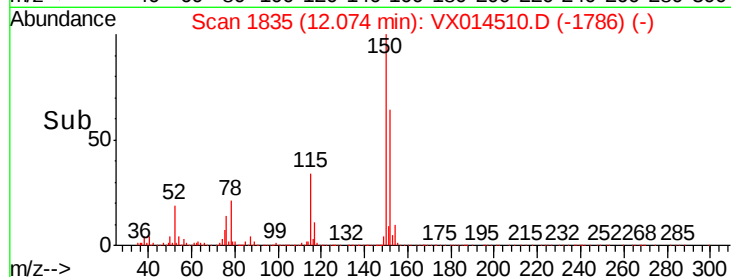
150 156.7 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.421 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

Tgt Ion: 43 Resp: 4358

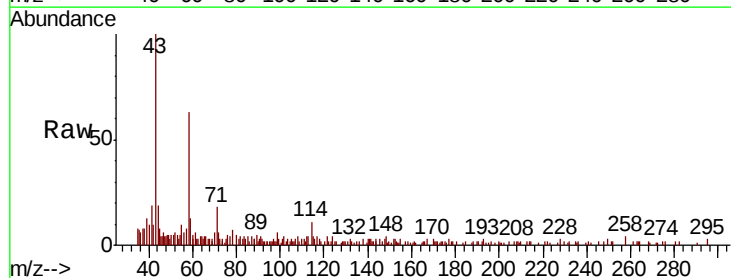
Ion Ratio Lower Upper

43 100

70 12.3 35.1 52.7#

55 17.6 19.3 28.9#

61 0.0 20.0 30.0#

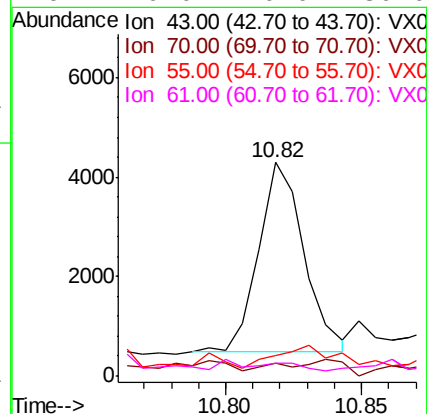
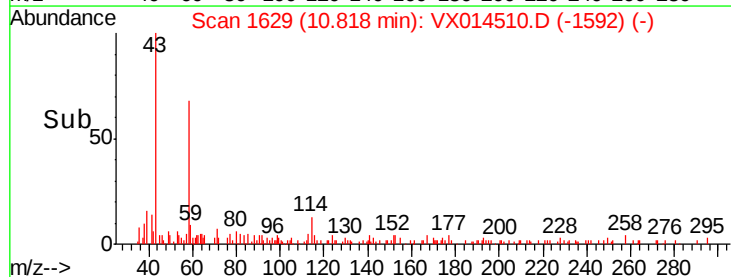


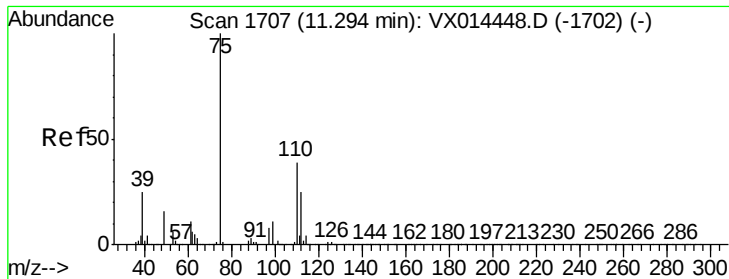
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

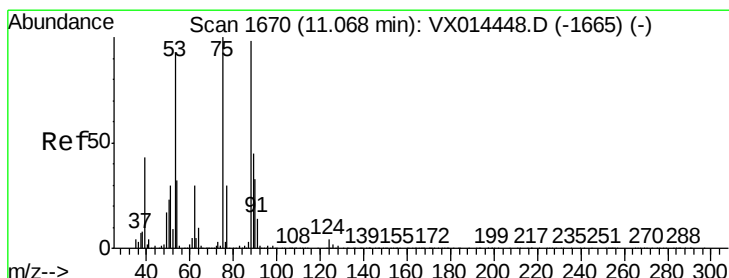
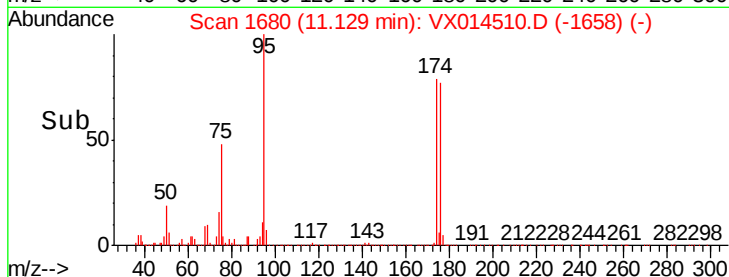
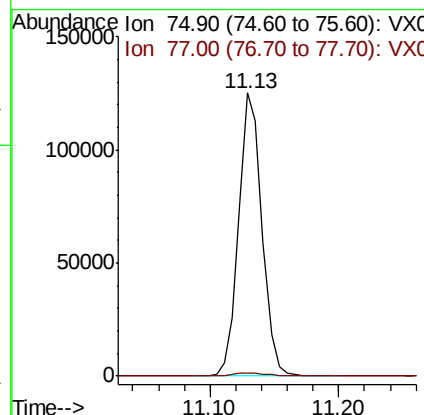
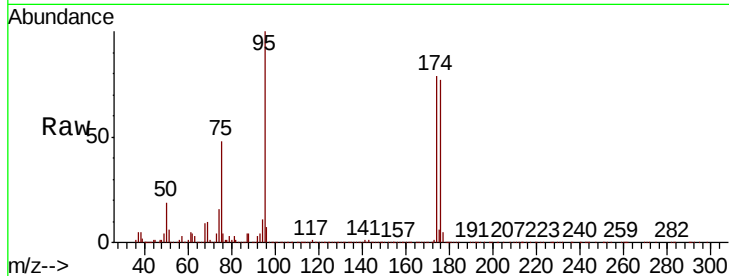




#76
 1,2,3-Trichloropropane
 Concen: 22.778 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014510.D
 Acq: 09 Jan 2020 20:29

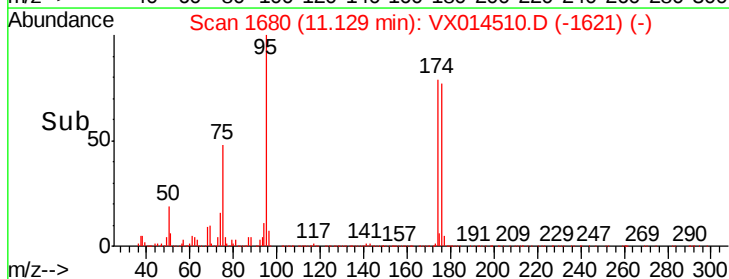
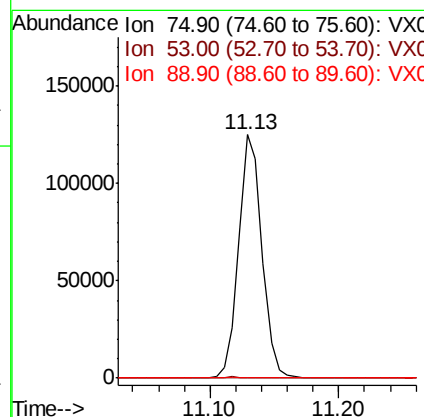
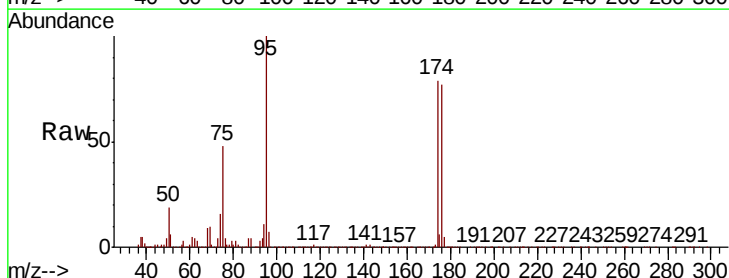
Instrument :
 MSVOA_X
 ClientSampled :
 TP-1

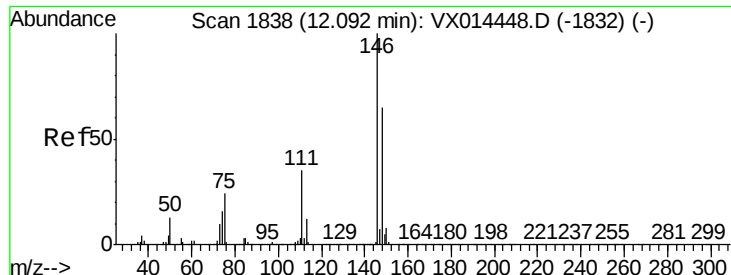
Tot Ion: 75 Resp: 157322
 Ion Ratio Lower Upper
 75 100
 77 1.7 21.9 65.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.222 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014510.D
 Acq: 09 Jan 2020 20:29

Tgt Ion: 75 Resp: 157322
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.8 112.2#
 89 0.0 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.02 min Scan# 1826

Delta R.T. -0.07 min

Lab File: VX014510.D

Acq: 09 Jan 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

TP-1

Tot Ion:146 Resp: 328

Ion Ratio Lower Upper

146 100

111 42.7 18.1 54.1

148 94.8 32.1 96.3

